LNJ818C83RA

Hight Bright Surface Mounting Chip LED

Dome-Lens Type

Absolute Maximum Ratings $T_a = 25^{\circ}C$

| Parameter | Symbol | Rating | Unit | |
|-------------------------------|------------------|-------------|------|--|
| Power dissipation | P _D | 55 | mW | |
| Forward current | I _F | 20 | mA | |
| Pulse forward current * | I _{FP} | 100 | mA | |
| Reverse voltage | V _R | 4 | V | |
| Operating ambient temperature | T _{opr} | -30 to +85 | °C | |
| Storage temperature | T _{stg} | -40 to +100 | °C | |

Lighting Color

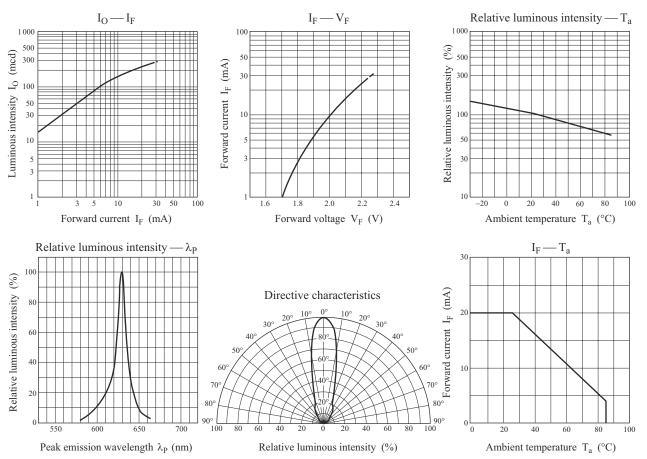
• Orange

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

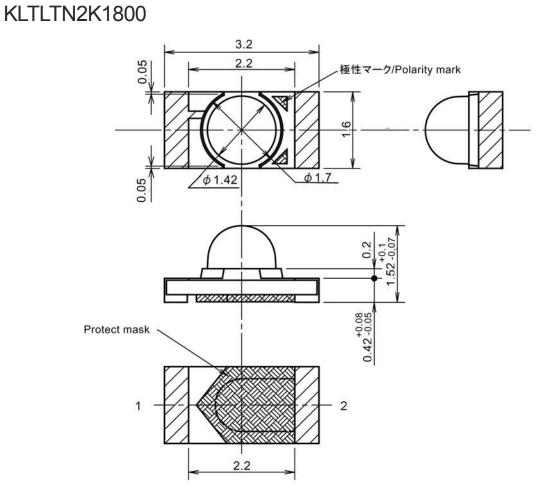
Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|--------------------------|-------------------|-----------------------------|-----|------|-----|------|
| Luminous intensity * | I _O | $I_{\rm F} = 10 {\rm mA}$ | 85 | 160 | | mcd |
| Reverse current | I _R | $V_R = 4 V$ | | | 10 | μΑ |
| Forward voltage | V _F | $I_{\rm F} = 10 \text{ mA}$ | | 2.03 | 2.5 | V |
| Peak emission wavelength | $\lambda_{\rm P}$ | $I_{\rm F} = 10 \ {\rm mA}$ | | 630 | | nm |
| Spectral half band width | Δλ | $I_{\rm F} = 10 \text{ mA}$ | | 15 | | nm |

Note) *: Measurement tolerance: ±20%



Package (Unit: mm)



• Pin name

1: Anode

2: Cathode

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